

**CLAIMS**

The following is claimed:

1. A method, comprising the steps of:
  2. receiving billing information associated with a subscriber of a telecommunication service under a current rate plan;
  4. processing the subscriber related billing information to produce organized data in a calling profile record, wherein the calling profile record is organized with parameters comprising:
    7. where calls are made and received;
    8. when calls are made and received; and,
    9. what types of calls are made and received; analyzing the processed data in relation to a plurality of rate plans of a plurality of telecommunication service providers;
    11. determining at least one proposed rate plans that would save the subscriber telecommunication costs relative to the current rate plan; and
    13. producing a report of the at least one proposed rate plan to enable selection of a best telecommunication service provider and a best rate plan.
1. 2. The method of claim 1, wherein the where calls are made or received parameter comprises a home category and a roam category.
1. 3. The method of claim 2, wherein the home category is selected if there is no originating city for the calls.

1       4.     The method of claim 2, wherein the home category is selected if a local access  
2     transport area (LATA) number of an originating city or originating state, is defined by a  
3     LATA number of a mobile identification number.

1       5.     The method of claim 2, wherein the home category further comprises  
2     categories selected from the group comprising:  
3       a home zip code;  
4       a corporate zip code; and  
5       at least one alternate zip code.

1       6.     The method of claim 1, wherein the when calls are made and received  
2     parameter further comprises categories selected from the group comprising, time of day and  
3     day of week.

1       7.     The method of claim 1, wherein the when calls are made and received  
2     parameter further comprises categories selected from the group comprising, peak, off peak  
3     and weekend.

1       8.     The method of claim 7, wherein the peak category is selected if a call date day  
2     of the week identification is not between a weekend start day of the week and a weekend end  
3     day of the week, and is placed between weekday peak start and weekday peak end times.

1        9.     The method of claim 7, wherein the off peak category is selected if a call date  
2     day of the week identification is not between a weekend start day of the week and a weekend  
3     end day of the week, and is not placed between weekday peak start and weekday peak end  
4     times.

1        10.    The method of claim 7, wherein the weekend category is selected if a call date  
2     day of the week identification is the weekend start day of the week and is made after a  
3     weekday peak end time.

1        11.    The method of claim 7, wherein the weekend category is selected if a call date  
2     day of week identification is on a weekend end day of the week and is made before a weekday  
3     peak start time.

1        12.    The method of claim 7, wherein the weekend category is selected if a call date  
2     day of week identification falls between a weekend start day of week and a weekend end day  
3     of week.

1        13.    The method of claim 1, wherein the what type of calls are made and received  
2     parameter comprises the categories local and toll.

1        14.    The method of claim 1, wherein the what type of calls are made and received  
2     parameter comprises the categories local, intrastate toll and interstate toll.

1        15. The method of claim 14, wherein the local category is selected if a called city  
2        is an incoming call city.

1        16. The method of claim 14, wherein the local category is selected if a called city  
2        is null.

1        17. The method of claim 14, wherein the local category is selected if a called  
2        number is null.

1        18. The method of claim 14, wherein the local category is selected if a mobile  
2        identification number LATA number is a destination number LATA number.

1        19. The method of claim 13, wherein the toll category is selected if the local  
2        category is not selected.

1        20. The method of claim 14, wherein the intrastate toll category is selected if a  
2        mobile identification number LATA number state is a destination number LATA number  
3        state.

1        21. The method of claim 14, wherein the interstate toll category is selected if the  
2        local category and the intrastate toll category are not selected.

1        22. The method of claim 1, wherein the step of analyzing the processed data  
2 further comprises evaluating the calling profile records of the subscriber in order to determine  
3 if the current rate plan is cost effective for the subscriber.

1        23. A system, comprising:  
2            a means for receiving subscriber related billing information associated with a subscriber  
3 of a telecommunication service under a current rate plan;  
4            a means for processing the subscriber related billing information to produce organized  
5 data in a calling profile record, wherein the calling profile record is organized with parameters  
6 selected from the group consisting of: where calls are made and received; when calls are made  
7 and received; and, what types of calls are made and received, the means for processing being  
8 communicatively coupled to the means for receiving billing information;  
9            a means for analyzing the processed data in relation to a plurality of rate plans of a  
10 plurality of telecommunication service providers, the means for analyzing being  
11 communicatively coupled to the means for processing, and the means for receiving;  
12            a means for determining at least one proposed rate plan that would save the subscriber  
13 telecommunication costs relative to the current rate plan, the means for determining being  
14 communicatively coupled to the means for analyzing, the means for processing, and the  
15 means for receiving; and  
16            a means for producing a report of the at least one proposed rate plan to enable  
17 selection of a best telecommunication service provider and a best rate plan, the means for  
18 producing being communicatively coupled to the means for determining, the means for  
19 analyzing, the means for processing, and the means for receiving.

1        24. The system of claim 23, wherein the where calls are made or received  
2 parameter is selected from the group consisting of home categories and roam categories.

1        25. The system of claim 23, wherein the when calls are made parameter is selected  
2 from the group comprising time of day and day of week.

1        26. The system of claim 23, wherein the what type of calls are made and received  
2 parameter is selected from the group comprising local and toll.

1        27. The system of claim 23, wherein the what type of calls parameter comprises  
2 the categories local, intrastate toll and interstate toll.

1        28. The system of claim 23, wherein the means for analyzing the processed data  
2 comprises a means for evaluating calling profile records of the subscriber in order to  
3 determine if the current rate plan is cost effective for the subscriber.

1        29. A system, comprising:

2              at least one transceiver configured to receive billing information associated with a  
3              subscriber of a telecommunication service under a current rate plan and to transmit a report;

4              a storage unit configured to store the billing information, wherein the storage unit is  
5              communicatively coupled to the transceiver;

6              a memory comprising software, wherein the memory is communicatively coupled to  
7              the transceiver and the storage unit; and

8              a processor, communicatively coupled to the transceiver, storage unit, and memory,  
9              configured by the software to:

10                 process the subscriber related billing information to produce organized data in

11                 a calling profile record, wherein the calling profile record is organized with parameters  
12                 selected from the group consisting of, where calls are made and received, when calls are made  
13                 and received, and what types of calls are made and received;

14                 analyze the processed data in relation to a plurality of rate plans of a  
15                 plurality of telecommunications service providers;

16                 determine one or more proposed rate plans that would save the subscriber  
17                 telecommunication costs relative to the current rate plan; and

18                 produce the report of the at least one proposed rate plan to enable selection of a  
19                 best telecommunication service provider and a best rate plan.

- 1           30. A computer readable medium having a computer program stored thereon, the  
2 computer readable medium comprising:
- 3           logic configured to receive billing information associated with a subscriber of a  
4 telecommunication service under a current rate plan;
- 5           logic configured to store the billing information;
- 6           logic configured to process the subscriber related billing information to  
7 produce organized data in a calling profile record, wherein the calling profile record is  
8 organized with parameters selected from the group consisting of, where calls are made and  
9 received, when calls are made and received, and what types of calls are made and received;
- 10          logic configured to analyze the processed data in relation to a plurality of  
11 rate plans of a plurality of telecommunications service providers;
- 12          logic configured to determine at least one proposed rate plan that would  
13 save the subscriber telecommunication costs relative to the current rate plan; and
- 14          logic configured to produce a report of the at least one proposed rate  
15 plans to enable selection of a best telecommunication service provider and a best rate plan.

1       31. A system, comprising:

2           a storage unit configured to store billing information associated with a subscriber of a  
3       telecommunication service under a current rate plan;

4           a memory comprising software, wherein the memory is communicatively coupled to  
5       the storage unit; and

6           a processor, communicatively coupled to the storage unit, and memory, configured by  
7       the software to:

8               process the subscriber related billing information to produce organized data in  
9       a calling profile record, wherein the calling profile record is organized with parameters  
10      selected from the group consisting of, where calls are made and received, when calls are made  
11      and received, and what types of calls are made and received;

12               analyze the processed data in relation to a plurality of rate plans of a  
13      plurality of telecommunications service providers;

14               determine one or more proposed rate plan that would save the subscriber  
15      telecommunication costs relative to the current rate plan; and

16               produce a report of the at least one proposed rate plan to enable selection of a  
17      best telecommunication service provider and a best rate plan.

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